# RLUOB

## Radiological Laboratory Utility Office Building

The Radiological Laboratory Utility Office Building (RLUOB) is part of the capital project to replace the aging Cold War-era Chemistry and Metallurgy Research building.

### Capabilities

RLUOB provides:

- Nearly 20,000 square feet of radiological laboratory space;
- A training center with four classrooms and two non-radio logical training simulation labs;
- A centralized utility building for all Chemistry and Metallurgy Research Replacement facilities;
- Office space to support 350 personnel in both cleared and uncleared areas; and
- A facility incident command center and facility operations center.

RLUOB features special instrumentation and equipment for supporting national security science through the understanding of plutonium. Laboratory space is outfitted with state-of-the-art analytical instruments, gloveboxes, open-front boxes, fume hoods, gloveports, enclosure coating and double-door transfer systems.

### Facilities

RLUOB is located with the highly protected TA-55 area of Los Alamos National Laboratory. It is not only the Laboratory's newest facility, it is also the first to achieve both the Leadership in Energy and Environmental Design (LEED®) status and LEED Gold certification from the U.S. Green Building Council.

Sustainability considerations were integrated early in the RLUOB project planning and design phases. A strong commitment to environmental stewardship throughout procurement and construction helped ensure a high-performance, sustainable building. Its multi-functional purpose makes RLUOB a unique project for which LEED certification was sought.

The National Nuclear Security Adminstration recognized RLUOB with its 2010 Best-in-Class Award for Sustainable Design/Green Building. The Department of Energy gave RLUOB the 2010 EStar Award for exemplary environmental sustainability practices. This project improved environmental performance during construction; and offers enhanced safety, security; and reduces long-term cost and risk to LANL operations.

### National Security Mission

From its robust design to its advanced scientific equipment, RLUOB is essential to the Laboratory's national security mission in support of NNSA's nuclear weapons program.

RLUOB adds a major component to NNSA's plutonium support capability and RLUOB demonstrates a strong commitment in ensuring the safety, security and effectiveness of the nuclear deterrent without testing.